

## Claims

- [c1] A gas cooking appliance, comprising:
  - at least one gas cooking element; and
  - a gas lockout valve assembly in line with said at least one gas cooking element, said gas lockout valve assembly comprising a valve and a motor configured to open or close the valve.
- [c2] A gas cooking appliance in accordance with Claim 1 further comprising a rotatable cam adapted to indicate a position of said valve.
- [c3] A gas cooking appliance in accordance with Claim 2 further comprising at least one microswitch in communication with said cam.
- [c4] A gas cooking appliance in accordance with Claim 3 further comprising a controller coupled to said motor.
- [c5] A gas cooking appliance in accordance with Claim 4 wherein said controller comprises a microprocessor.
- [c6] A gas cooking appliance in accordance with Claim 1 wherein said at least one gas cooking element comprises a plurality of gas cooking elements, said appliance further comprising a gas manifold connected between said gas lockout valve assembly and said plurality of gas cooking elements.
- [c7] A gas fired cooktop comprising:
  - at least one gas burner;
  - at least one control knob associated with said at least one burner; and
  - a motorized gas lockout valve coupled to said at least one gas burner and establishing a gas supply connection thereto, said valve positionable in a gas lockout position, thereby rendering said control knob ineffective to operate said burner.
- [c8] A gas fired cooktop in accordance with Claim 7 wherein said motorized gas lockout valve comprises:
  - a valve;
  - a motor coupled to and in driving relation to said valve, said motor opening and

closing a flow path through said valve; and  
a cam coupled to said valve and indicating a state of said valve.

- [c9] A gas fired cooktop in accordance with Claim 8 further comprising a switch indicating a position of said cam.
- [c10] A gas fired cooktop in accordance with Claim 9 further comprising a microprocessor coupled to said switch, said microprocessor configured to indicate a state of said switch to a user based upon a position of said cam.
- [c11] A gas cooktop in accordance with Claim 7 further comprising a gas manifold coupled between said at least one said burner and said gas lockout valve.
- [c12] A gas range comprising:  
a cabinet;  
a plurality of gas heating elements coupled to said cabinet;  
a gas manifold within said cabinet and configured to distribute gas to each of said heating elements; and  
a motorized gas lockout assembly coupled in line with said gas manifold, said motorized gas lockout assembly positionable to permit or deny gas flow to said gas manifold.
- [c13] A gas range in accordance with Claim 12 further comprising a microprocessor coupled to said motorized lockout valve assembly, said microprocessor configured to sense a position of said valve assembly.
- [c14] A gas range in accordance with Claim 13 further comprising a display configured to indicate a state of said valve assembly.
- [c15] A gas range in accordance with Claim 13 further comprising a switch coupled to said microprocessor, said switch actuated by said valve assembly as said valve assembly is positioned.
- [c16] A gas range in accordance with Claim 15, said gas lockout valve comprising a cam configured to actuate said switch.
- [c17] A gas range in accordance with Claim 12, said motorized gas lockout valve

assembly comprising a single digit rpm motor.

[c18] A gas range in accordance with Claim 12, said valve comprising a plug valve.

[c19] A gas range comprising:  
a cabinet;  
a plurality of gas heating elements coupled to said cabinet;  
a gas manifold within said cabinet and configured to distribute gas to each of said heating elements; and  
a gas lockout assembly coupled in line with said gas manifold, said gas lockout assembly comprising:  
a valve;  
a motor coupled to and in driving relation to said valve, said motor opening and closing a flow path through said valve to permit or prevent gas flow to said gas manifold; and  
a cam coupled to said valve and indicating a position of said valve.

[c20] A gas range in accordance with Claim 19 wherein said valve is a plug valve.